

FIG. 1

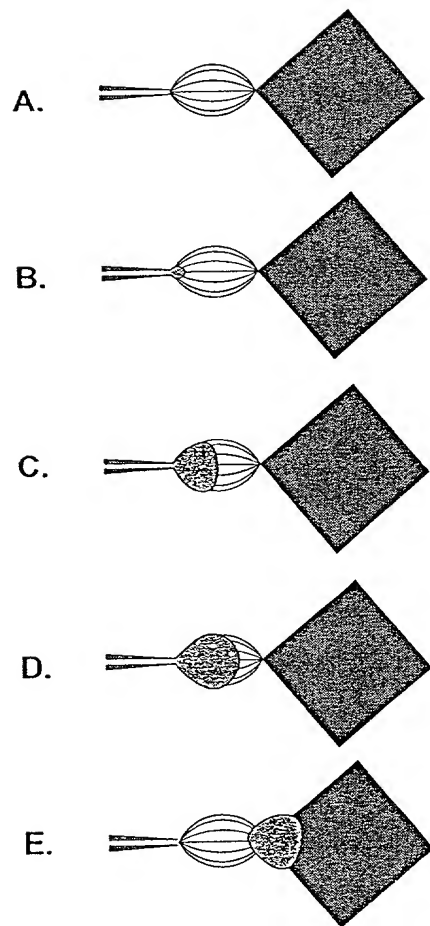


FIG. 2

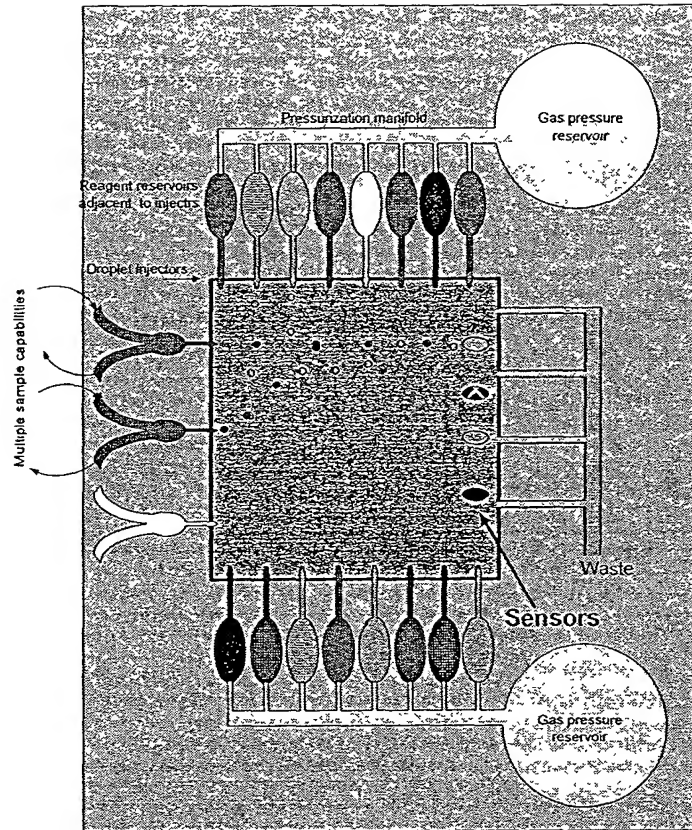


FIG. 3

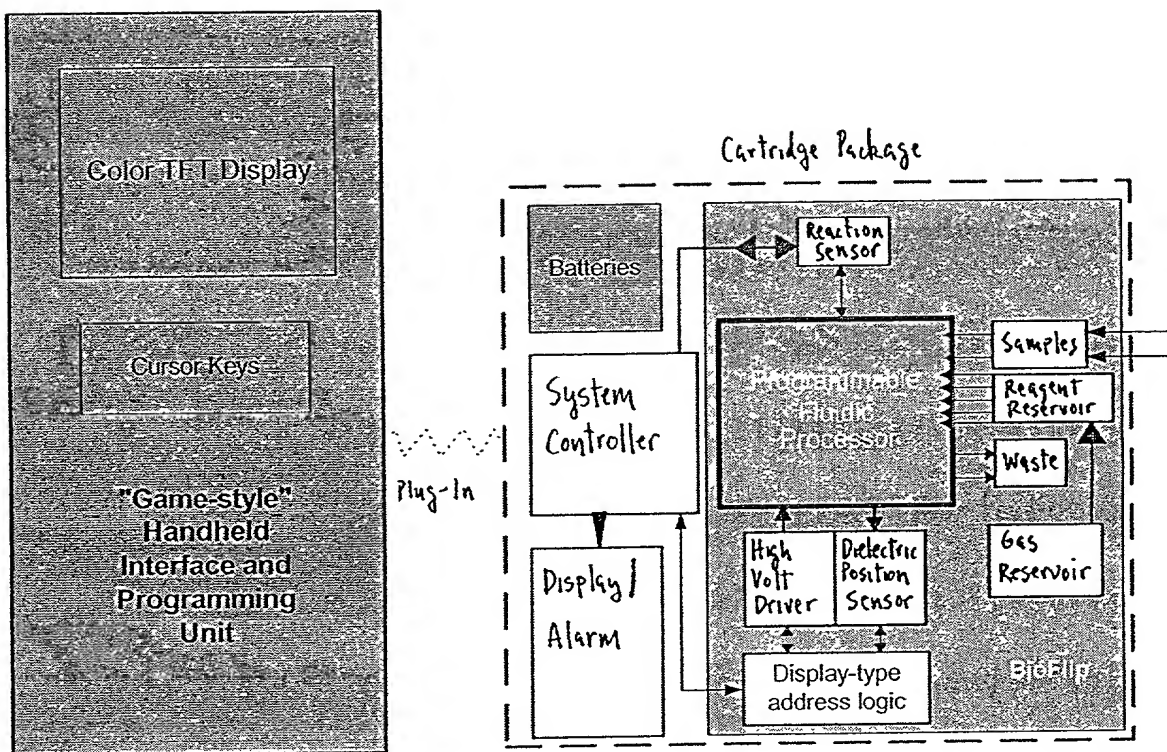


FIG. 4

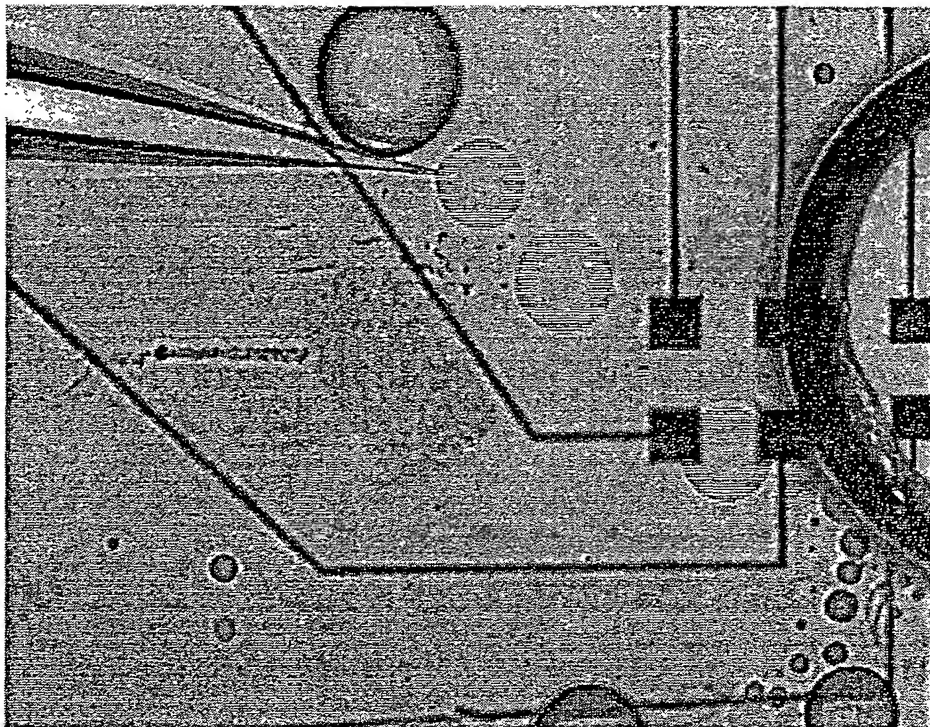


FIG. 5

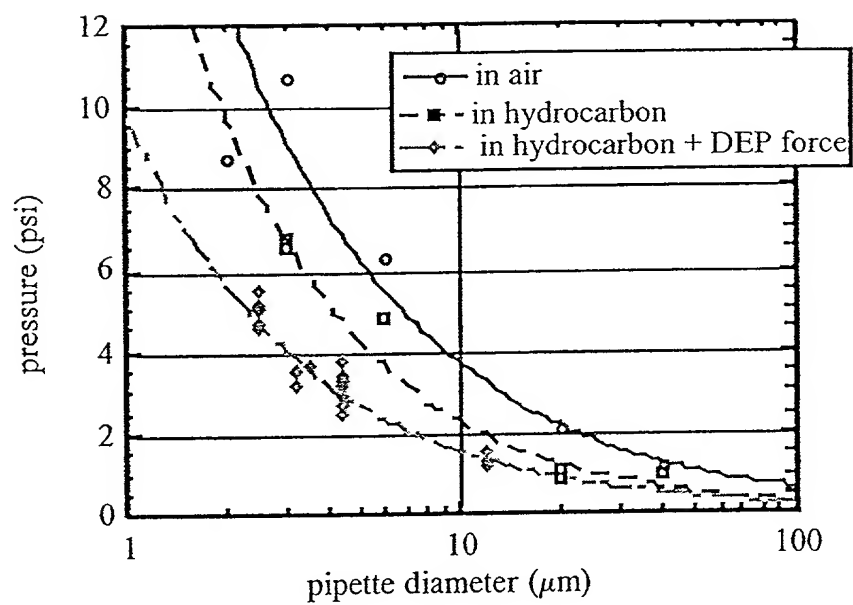
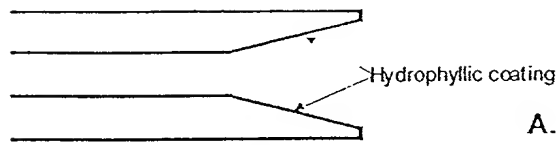
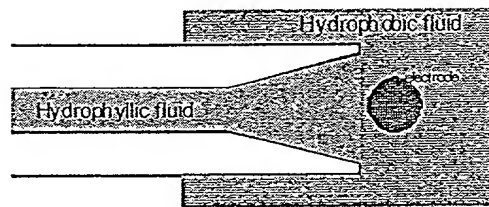


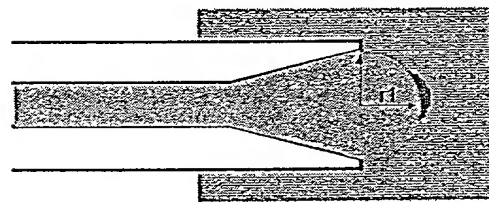
FIG. 6



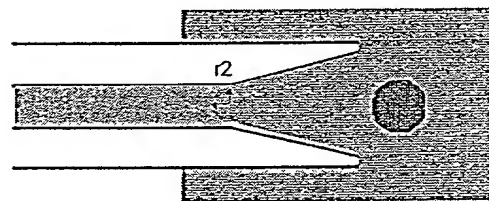
A.



B.



C.



D.

FIG. 7

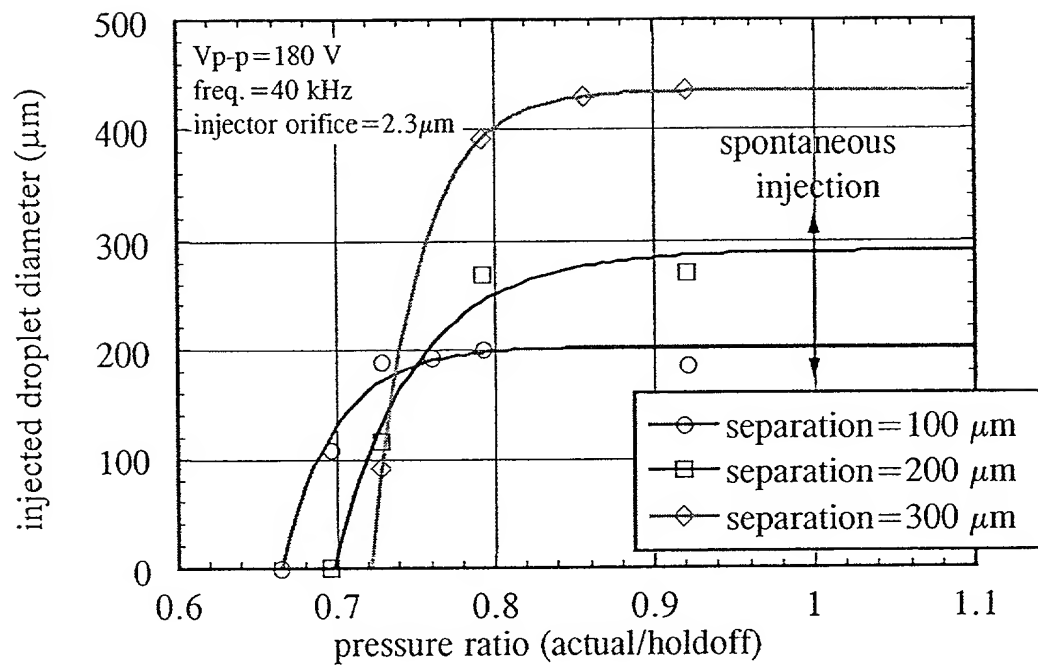


FIG. 8

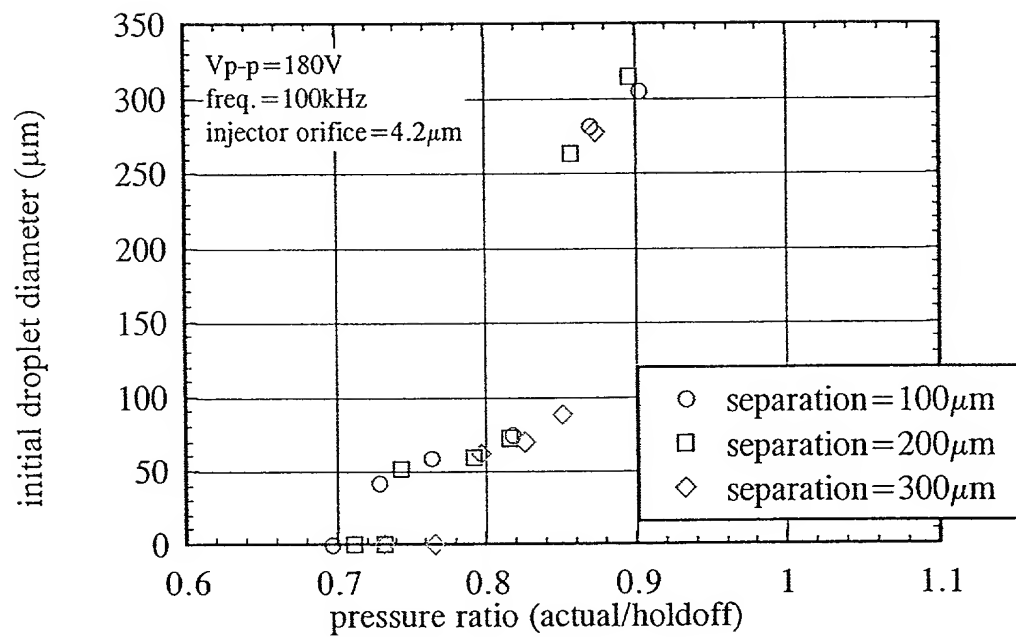


FIG. 9

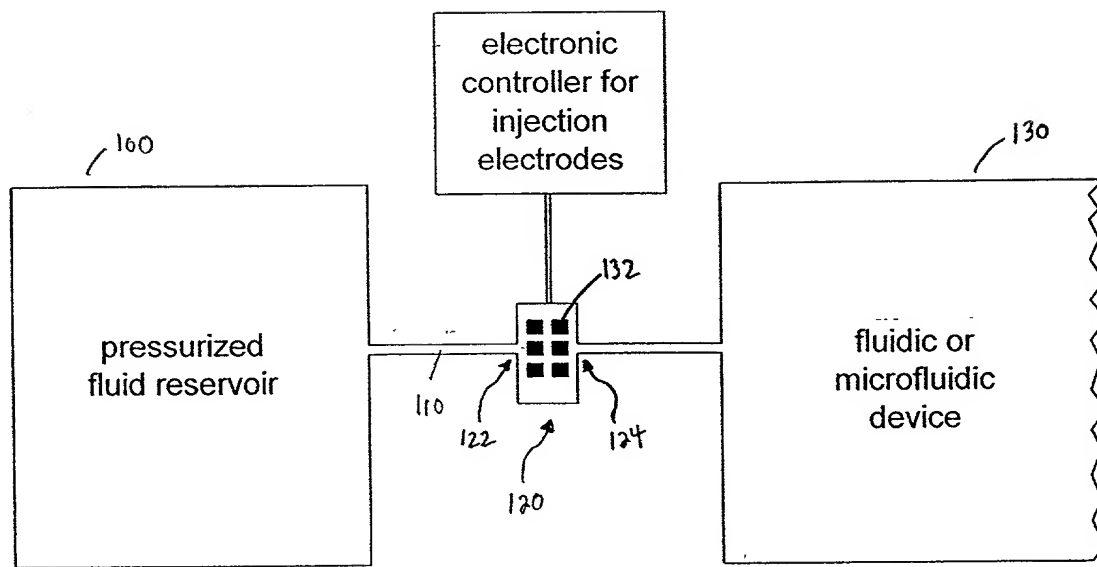


FIG. 10

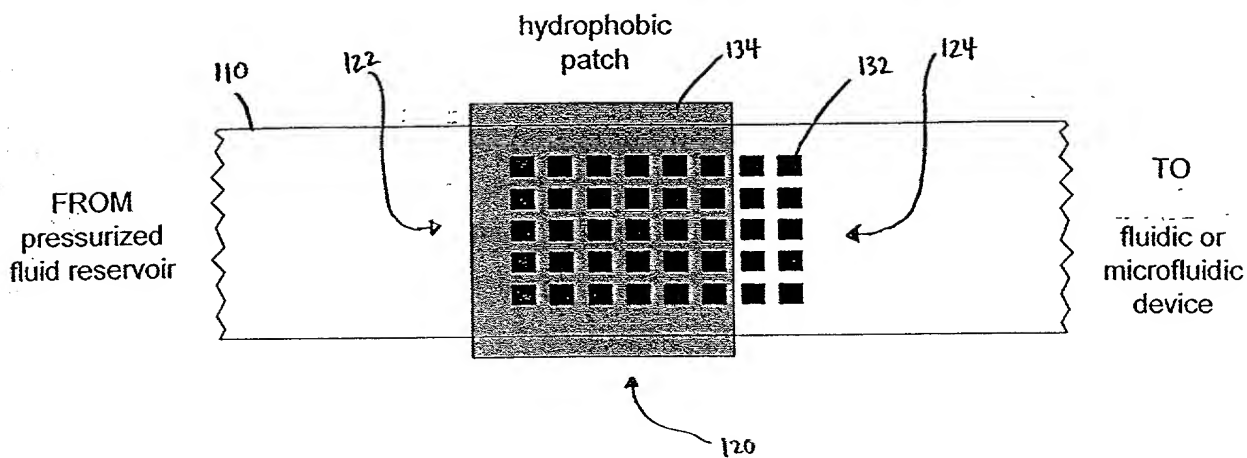


FIG. 11

Pressure to eject $3xH_2O$ droplets from injectors
of various diameters in air and in bromododecane

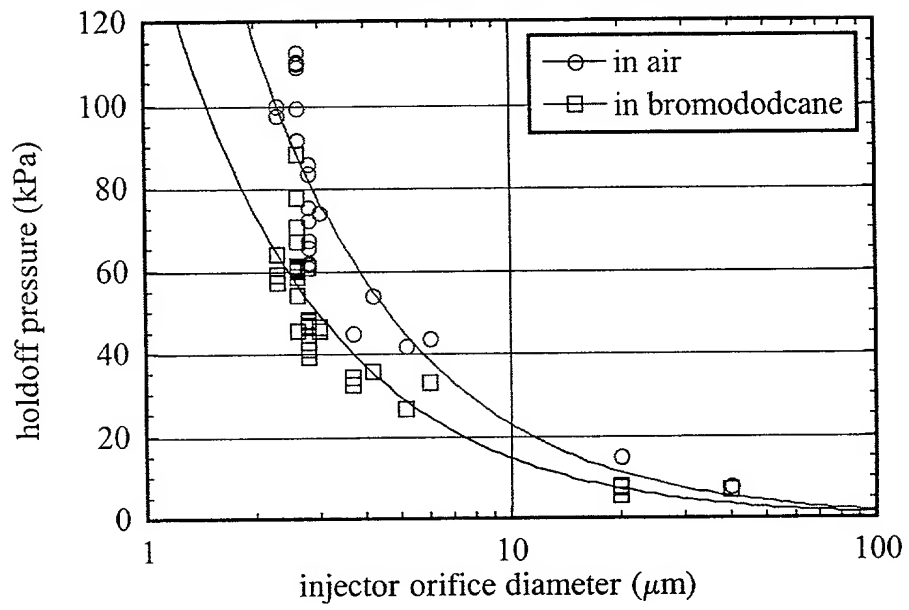


FIG. 12

Injection threshold for 30 μm and 100 μm
square electrodes ($Z=1.5$ electrode widths)

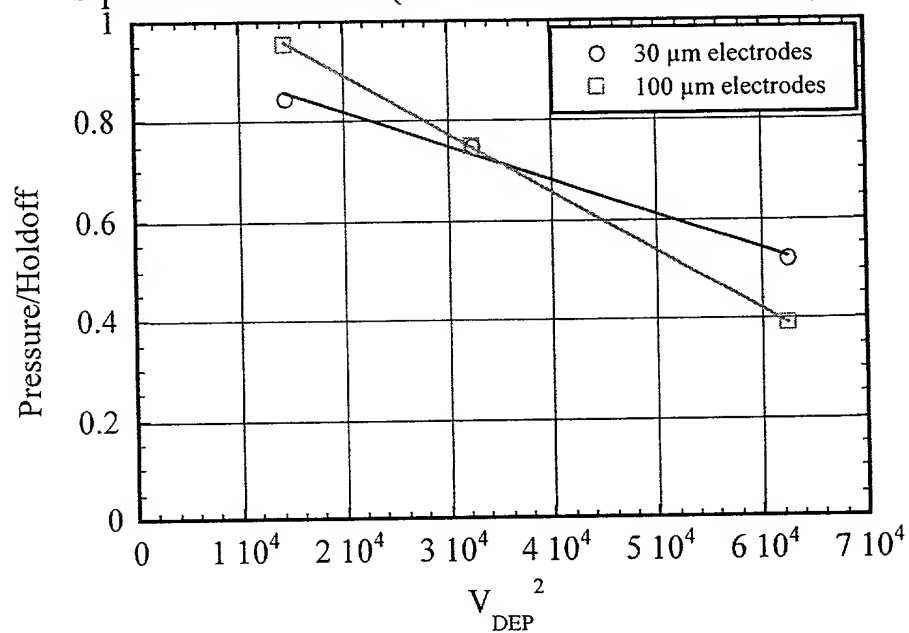


FIG. 13

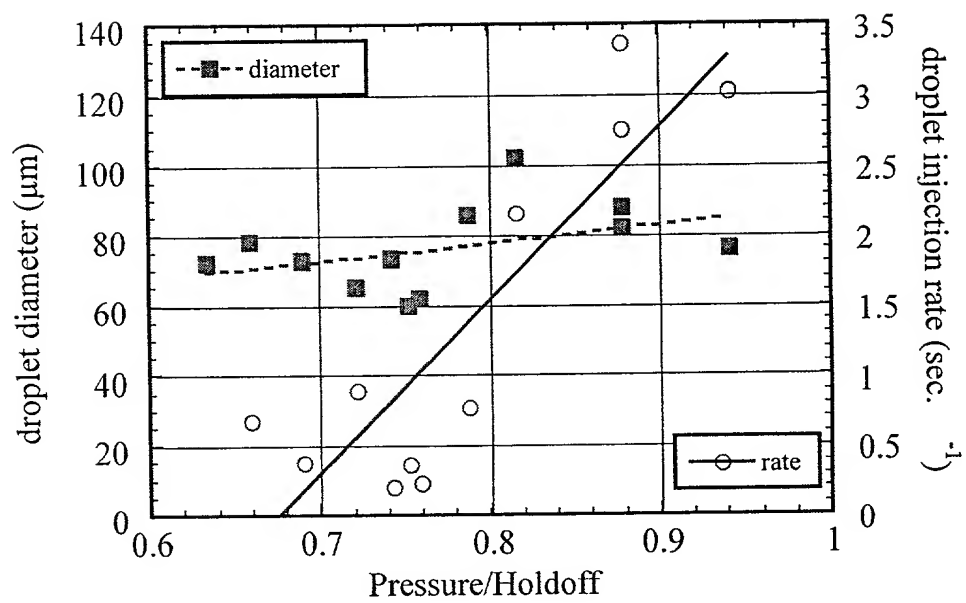


FIG. 14

Injected droplet diameter vs normalised
injector-electrode distance

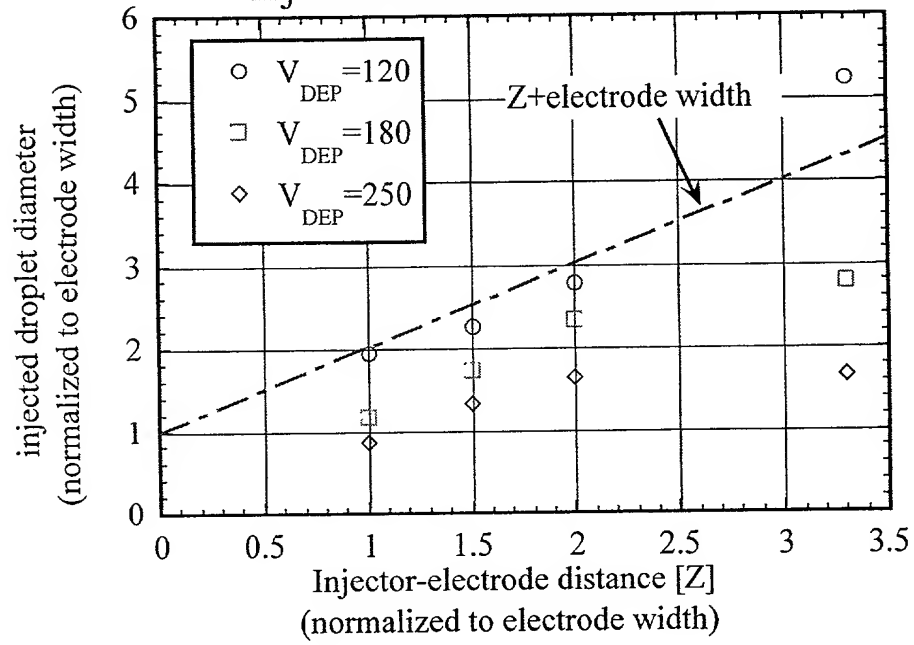
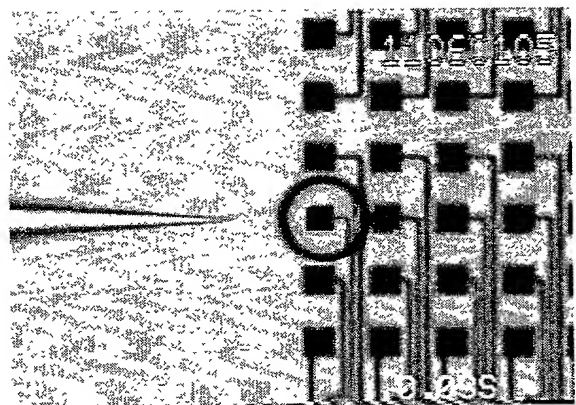
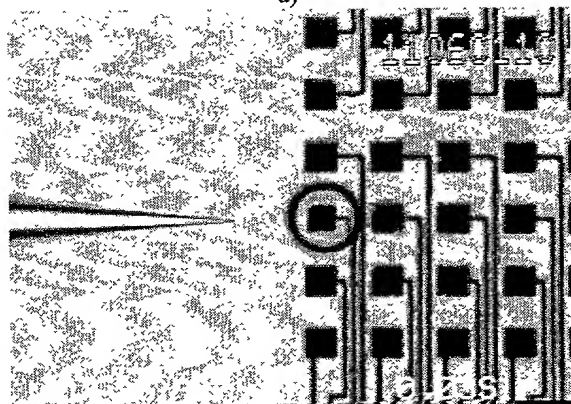


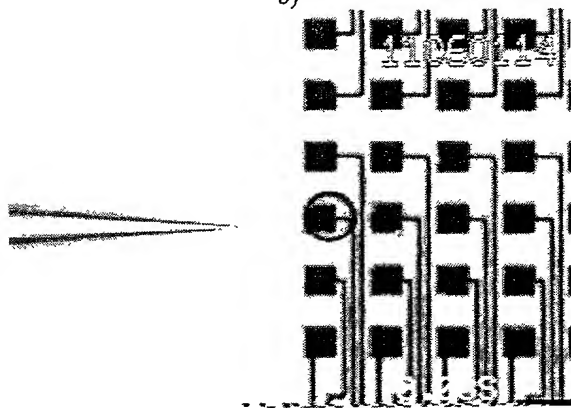
FIG. 15



a)



b)



c)

FIG. 16

Pressure to eject 3×10^2 H_2O droplets from injectors
of various diameters in air, in bromododecane,
and in bromododecane with an applied DEP force

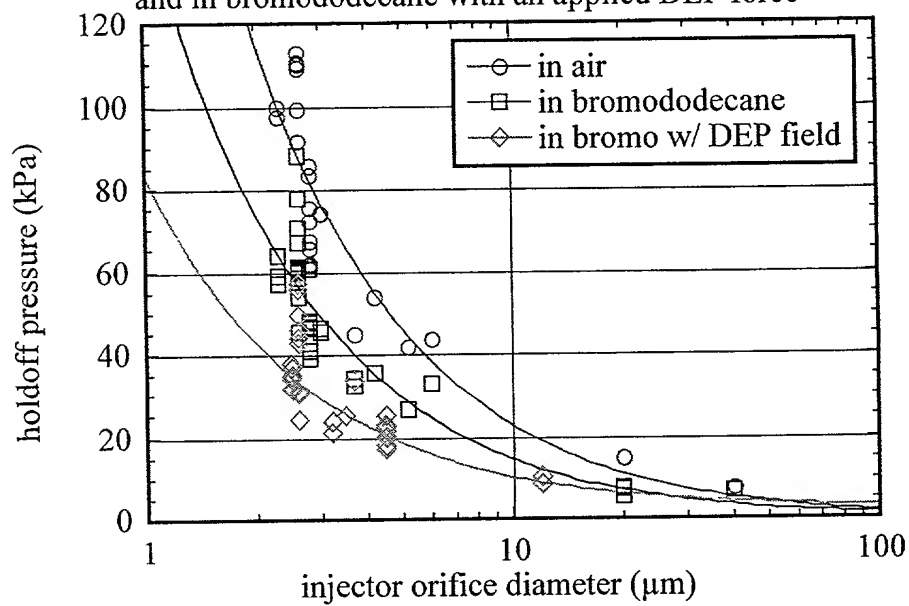


FIG. 17

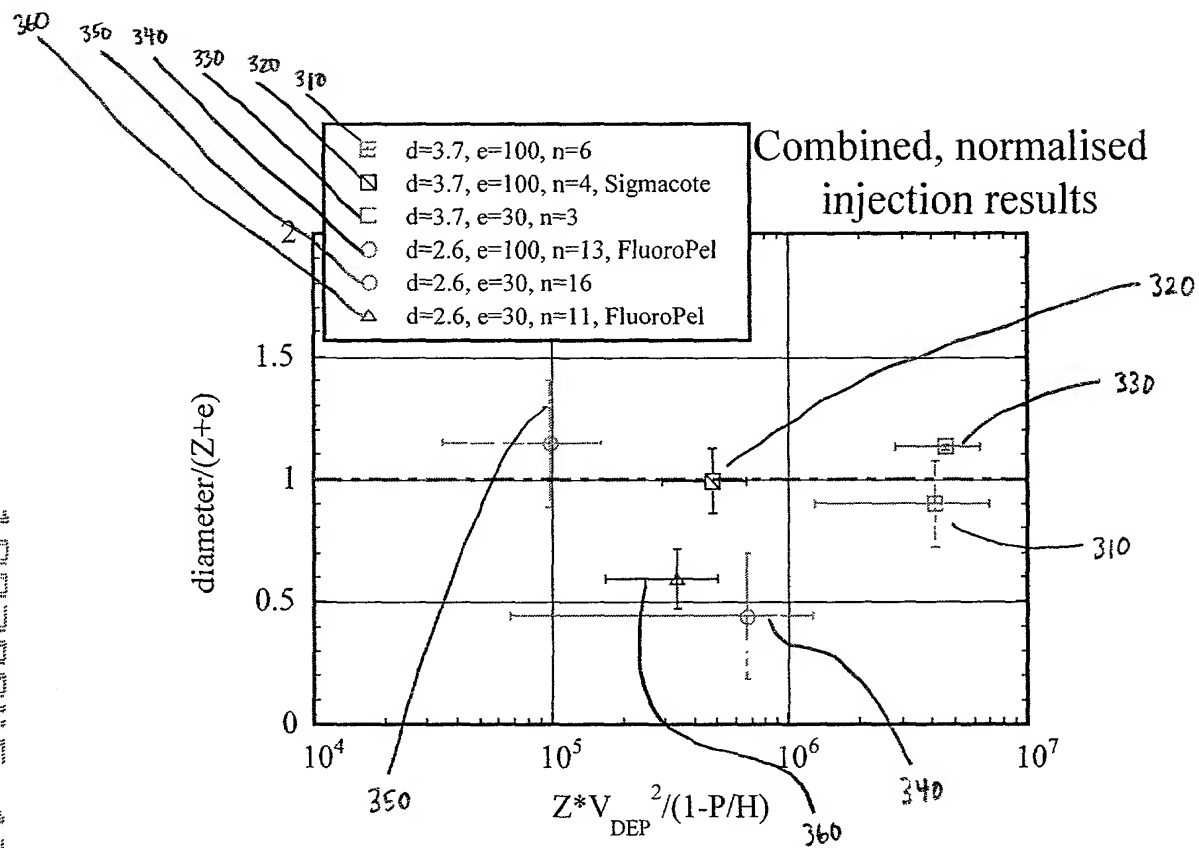


FIG. 19